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(54) Pressure limiting device

(57) An apparatus for limiting the pressure of inflation fluid injected into one or more balloon of a catheter device comprising a reservoir chamber having an inlet port coupled in fluid communication with an inflation/deflation device and a plurality of outlet ports coupled in fluid communication with a plurality of cylindrical housings. Each cylindrical housing includes a pressure chamber and a valve chamber. The valve chamber receives a piston moveable between a fully open position and a closed position and spring biased toward the fully open position. Each housing includes an outlet port coupled in fluid communication with a separate balloon of a catheter device. Each piston includes an internal

flow path which enables the flow of pressurized inflation fluid from the reservoir chamber to the balloon catheter when the pressure of the inflation fluid within the balloon is below the desired cut-off pressure. As the pressure of the inflation fluid within each balloon increases, the associated piston is urged toward its closed position. When the inflation fluid within each balloon reaches the predetermined cut-off pressure level, the associated piston moves to the closed position and cuts-off the flow of inflation fluid from the reservoir chamber to the respective balloon.

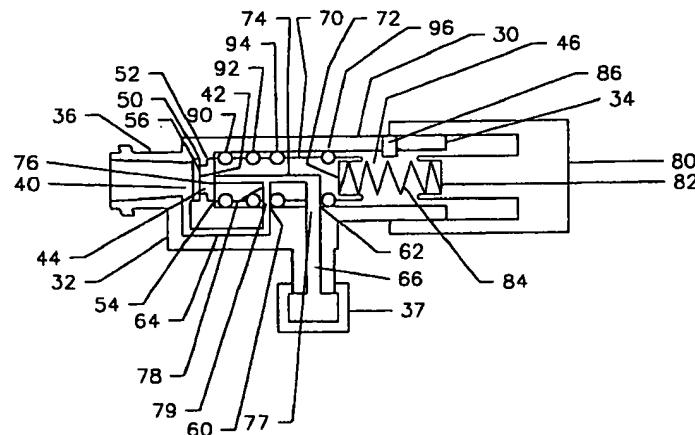


FIGURE 2



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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search	Date of completion of the search		Examiner
BERLIN	10 May 2000		Jameson, P
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T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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